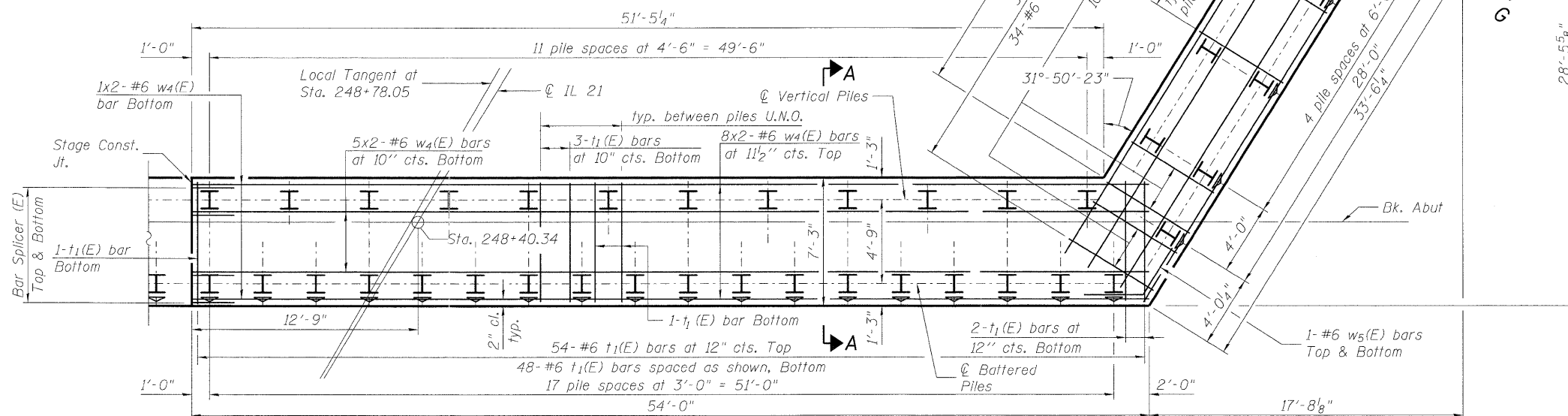


NORTH ABUTMENT STAGE I FOOTING PLAN



NORTH ABUTMENT STAGE II FOOTING PLAN

**PILE DATA**

Type: Steel HP 12x53 with pile shoes  
 Nominal Required Bearing: 350 kips  
 Factored Resistance Available: 145 kips  
 Est. Length: 21 ft  
 No. Production Piles: 74  
 No. Test Piles: 1

**Notes:**

1. Cut w(E), w1(E) and w3(E) bars in field to fit or miss piles if necessary.
2. See Section A-A on sheet 31 of 43.
3. See Section F-F and Section G-G on sheet 33 of 43.
4. n(E) and n1(E) bars are not shown for clarity. See Sheets 31 thru 33 for placement.

FOR INFORMATION ONLY **MACTEC**

|                        |               |               |          |   |   |                           |                    |               |                   |                |  |
|------------------------|---------------|---------------|----------|---|---|---------------------------|--------------------|---------------|-------------------|----------------|--|
| FILE NAME =<br>#FILELS | USER NAME =   | DESIGNED - JY | REVISD - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>NORTH ABUTMENT FOOTING PLAN<br/>STRUCTURE NO. 049-0199</b> | F.A.P. RTE. = 330         | SECTION = 128R-2-F | COUNTY = LAKE | TOTAL SHEETS = 28 | SHEET NO. = 20 |  |
| PLOT SCALE =           | DRAWN - JY    | CHECKED - WPM | REVISD - |   |   | CONTRACT NO. 60P54        |                    |               |                   |                |  |
| PLOT DATE = 12/28/2018 | CHECKED - RMK | REVISD -      | REVISD - |   |   | ILLINOIS FED. AID PROJECT |                    |               |                   |                |  |
|                        |               |               |          |   |   | SHEET NO. 30 OF 43 SHEETS |                    |               |                   |                |  |